

## INTRODUCTION

The Screen Save Utility is written in Radio Shack TRS-80 Disk BASIC (16K minimum). It is designed to be merged with another BASIC program and called as a subprogram in order to save graphic screens on disk. The disk file may then be read by MICROSKETCH II or MICROSCREEN.

## OPERATING INSTRUCTIONS

Here are instructions for loading the Screen Save Utility tape, saving it on disk, merging it with another program and calling it as a subprogram:

1. Load the Screen Save Utility program using the "CLOAD" command. If any difficulty is encountered, try loading the backup copy on side B.
2. Type the following:  
    SAVE"SCRNSAVE",A
3. Make sure the last line number of the main program is less than 65000. Load the main program.
4. Execute the following:  
    MERGE"SCRNSAVE"  
    RUN65000
5. Type "RUN". When the program reaches the point where the screen is to be saved on disk, press <BREAK>. Insert a "GOSUB 65000" at that location in the program.
7. Type "RUN" again and when the program reaches the point where the "GOSUB 65000" was inserted, the screen will be saved in temporary storage.
8. Answer the prompts as indicated under "Program Messages and Prompts" on page 2.

## PROGRAM MESSAGES AND PROMPTS (Listed Alphabetically):

"BAD FILE NAME" (Disk BASIC only) - An invalid file name was entered in response to the "DISK FILE NAME" prompt.

"DISK FILE NAME?" (Disk BASIC only) - Enter a file name under which screens are to be loaded or saved. A drive number preceeded by a colon (:) may be appended. Default = "SKETCH2/SCR".

"DISK FULL" (Disk BASIC only) - No more room on the disk. Use another disk, a different file name or a smaller disk record number.

"DISK RECORD NUMBER" - Enter a record number which has not been previously used for this particular disk file. If the number was used previously, the old screen is deleted. The maximum record number depends upon the available disk space. Each record takes up four sectors.

"FILE NOT FOUND" (Disk BASIC only) - An attempt was made to load from a non-existent file.

"INVALID DRIVE NUMBER" (Disk BASIC only) - A non-existent disk drive number was appended to the file name.

"MACHINE LANGUAGE PROGRAMS CREATED: / USE "GOSUB65000" TO SAVE SCREEN ON DISK. / READY / >" - This message is displayed when the screen save utility program is first RUN (Step 4, above). In order for the program to be saved as an ASCII file and MERGED, the machine language subprograms have to be encoded. Therefore it is neccessary to decode them prior to being called as a subprogram.

The Screen Save Utility program is available from INTERNATIONAL DATA SERVICES, 340 West 55th St., New York, N.Y. 10019, (212)765-8610